

In The Claims:

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1. (Currently Amended) A warning system for a subject vehicle proximate a rear approaching vehicle comprising:

a rear-facing camera generating a plurality of images, said camera having a rear field of view adjacent to a blind spot;

an indicator;

a controller coupled to the indicator receiving the plurality of images, said controller generating a size and position signal for the rear approaching vehicle from the plurality of images, said controller activating an indicator when the rear approaching vehicle ~~enters~~ transitions into a blind spot from the rear field of view as determined in response to said size and position signal.

2. (Currently Amended) A system as recited in claim 1 wherein said camera has a rear field of view adjacent to and including a portion of the blind spot.

3. (Original) A system as recited in claim 1 wherein said camera comprises a low light camera.

4. (Original) A system as recited in claim 1 wherein said controller comprises a fuzzy neural network for classifying the object in response to the size and position signal.

5. (Currently Amended) A system as recited in claim 1 wherein said camera comprises a rear-facing camera is disposed on the rear of the vehicle.

6. (Original) A system as recited in claim 1 wherein said rear-facing camera is mounted to a rear panel of the subject vehicle.

7. (Currently Amended) A warning system for a blind spot of an automotive vehicle thereof comprising:

61 a rear-facing camera generating a plurality of images, said camera having a rear field of view adjacent to a blind spot;

an indicator; and

a controller coupled to the indicator receiving the plurality of images, said controller generating a size, a position and a track for a rear approaching vehicle from the plurality of images, said controller activating an indicator when a rear approaching vehicle ~~enters~~ transitions into a blind spot from the rear field of view as determined in response to said size, track and position.

8. (Original) A system as recited in claim 7 wherein said camera has a rear field of view adjacent to the blind spot.

9. (Original) A system as recited in claim 7 wherein said camera comprises a low light camera.

10. (Original) A system as recited in claim 7 wherein said controller comprises a fuzzy neural network for classifying the object in response to the size and position signal.

11. (Original) A system as recited in claim 7 wherein said camera comprises a rear-facing camera.

61 12. (Original) A system as recited in claim 7 wherein said rear-facing camera is mounted to a rear panel.

13. (Currently Amended) A method of warning of a vehicle within a blind spot comprising:

generating a plurality of images of an object from a rear-facing camera having a rear field of view;

determining a size and a position of the object from the plurality of images;

determining a transition of the object from the rear field of view into the blind spot; and

generating a warning when the object enters the blind spot from the rear field of view [[and]] in response to size of the object.

14. (Original) A method as recited in claim 13 further comprising determining a trajectory from the plurality of images of the object.

15. (Original) A method as recited in claim 13 wherein generating a plurality of images comprises generating a plurality of images from a camera.

16. (Original) A method as recited in claim 15 wherein said camera comprises a low light camera.

17. (Canceled)

18. (Original) A method as recited in claim 13 wherein generating a warning comprises generating an audible warning.

19. (Original) A method as recited in claim 13 wherein generating a warning comprises generating a visual warning.

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